

Title (en)
CATHETER SYSTEM HAVING IMAGING, BALLOON ANGIOPLASTY AND STENT DEPLOYMENT CAPABILITIES, AND METHOD OF USE FOR GUIDED STENT DEPLOYMENT

Title (de)
KATHETERSYSTEM MIT DARSTELLUNGS-, BALLONANGIOPLASTIE UND STENTENTFALTUNGSMÖGLICHKEITEN UND VERFAHREN ZUR ANWENDUNG EINER GEFÜHRTEN STENTENTFALTUNG

Title (fr)
SYSTEME DE CATHETER A FONCTIONS D'IMAGERIE, D'ANGIOPLASTIE TRANSLUMINALE PAR BALLONNET ET DE DEPLOIEMENT D'EXTENSEUR, ET METHODE D'UTILISATION POUR LE DEPLOIEMENT D'EXTENSEUR

Publication
EP 0802768 A4 20040825 (EN)

Application
EP 96939685 A 19961108

Priority
• US 9618162 W 19961108
• US 55666095 A 19951113

Abstract (en)
[origin: WO9717898A1] A catheter system (12) has a balloon angioplasty device (65) disposed about a common lumen (60) near its distal end. The balloon catheter (12) is pre-fitted with a stent (90) which is deployed when the balloon (65) is inflated. The common lumen (60) is in communication with multiple lumens (23, 25, 27) within a proximal region (15) of the catheter body (12) to allow for positioning of the catheter (12) over a movable guide wire and convenient delivery of imaging of interventional devices to a desired region of a body passageway being treated. The procedure for stent (90) deployment optionally includes steps of imaging a lumen by ultrasound (75) before and after stent (90) deployment to identify the site at which a stent (90) is needed, to confirm that the stent (90) is being and has been deployed at a longitudinal position which does not overlap a branched segment of the body passageway, and to ensure that the stent (90) has been radially opened to an optimum diameter.

IPC 1-7
A61B 8/02; **A61F 2/04**; **A61M 29/00**

IPC 8 full level
A61F 2/82 (2006.01); **A61F 2/06** (2006.01); **A61F 2/84** (2006.01)

CPC (source: EP US)
A61F 2/958 (2013.01 - EP US); **Y10S 623/902** (2013.01 - EP US)

Citation (search report)
• [DX] US 5364347 A 19941115 - JANG YUE-TEH [US]
• [PX] WO 9632982 A1 19961024 - CARDIOVASCULAR IMAGING SYSTEMS [US]
• [XY] US 5458615 A 19951017 - KLEMM KURT R [US], et al & EP 0505686 A1 19920930 - ADVANCED CARDIOVASCULAR SYSTEM [US]
• [XY] US 5203338 A 19930420 - JANG YUE-TEH [US]
• [XY] US 5219335 A 19930615 - WILLARD LLOYD [US], et al
• [AY] US 5243988 A 19930914 - SIEBEN WAYNE [US], et al
• See also references of WO 9717898A1

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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9717898 A1 19970522; CA 2210235 A1 19970522; CA 2210235 C 20010710; EP 0802768 A1 19971029; EP 0802768 A4 20040825; JP H10512793 A 19981208; US 2002156515 A1 20021024; US 2003105509 A1 20030605; US 5749848 A 19980512; US 6074362 A 20000613; US 7044964 B2 20060516

DOCDB simple family (application)
US 9618162 W 19961108; CA 2210235 A 19961108; EP 96939685 A 19961108; JP 51902397 A 19961108; US 30697602 A 20021127; US 38484699 A 19990827; US 55666095 A 19951113; US 88094797 A 19970623